

1 IN THE CLAIMS:

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4 In the following, Claims 1-6 are amended herein. An
5 underline means please add the text, and a ~~strikeout~~ means
6 please delete the text.
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8
9 Please amend the claims as follows:
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12 Claim 1 (Twice Amended). A flowline for producing
13 hydrocarbons from a subsea well that is comprised of a
14 substantially neutrally buoyant tubular composite umbilical
15 means which passes over a canyon in the ocean bottom that
16 possesses electrical heating means within the tubular walls
17 of said tubular composite umbilical means to prevent waxes
18 and hydrates from forming within said flowline and blocking
19 said flowline, whereby said electrical heating means is
20 comprised of at least one electrical conductor disposed
21 within said tubular walls of said composite umbilical means
22 that conducts electrical current that is used to heat said
23 tubular composite umbilical means, whereby said tubular
24 composite umbilical means that contains any produced
25 hydrocarbons is substantially neutrally buoyant in the sea
26 water adjacent to said subsea well, and whereby said
27 substantially neutrally buoyant tubular composite umbilical
28 means is anchored to the sea bottom ~~in at least one location~~
29 at a first location on a first side of said canyon and is
30 anchored to the sea bottom at a second location on a second
31 side of said canyon, whereby said first and second locations
32 are on opposite sides of said canyon, and whereby a portion
33 of said neutrally buoyant tubular composite umbilical between

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1 said first and second locations passes over said canyon in
2 said ocean bottom.
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5 Claim 2 (Twice Amended). A method of using a flowline for
6 producing hydrocarbons from a subsea well that is comprised
7 of a substantially neutrally buoyant tubular composite
8 umbilical means which passes over a canyon in the ocean
9 bottom that possesses electrical heating means within the
10 tubular walls of said tubular composite umbilical means to
11 prevent waxes and hydrates from forming within said flowline
12 and blocking said flowline, whereby said electrical heating
13 means is comprised of at least one electrical conductor
14 disposed within said tubular walls of said composite
15 umbilical means that conducts electrical current that is used
16 to heat said tubular composite umbilical means, whereby said
17 tubular composite umbilical means that contains any produced
18 hydrocarbons is substantially neutrally buoyant in the sea
19 water adjacent to said subsea well, and whereby said
20 substantially neutrally buoyant tubular composite umbilical
21 means is anchored to the sea bottom ~~in at least one location~~
22 at a first location on a first side of said canyon and is
23 anchored to the sea bottom at a second location on a second
24 side of said canyon, whereby said first and second locations
25 are on opposite sides of said canyon, and whereby a portion
26 of said neutrally buoyant tubular composite umbilical between
27 said first and second locations passes over said canyon in
28 said ocean bottom.
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31 Claim 3 (Twice Amended). A flowline for producing
32 hydrocarbons from a subsea well that is comprised of a
33 substantially neutrally buoyant tubular composite umbilical

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1 means which passes over a canyon in the ocean bottom, whereby
2 said tubular composite umbilical means that contains any
3 produced hydrocarbons is substantially neutrally buoyant in
4 the sea water adjacent to said subsea well, and whereby said
5 substantially neutrally buoyant tubular composite umbilical
6 means is anchored to the sea bottom ~~in at least one location~~
7 at a first location on a first side of said canyon and is
8 anchored to the sea bottom at a second location on a second
9 side of said canyon, whereby said first and second locations
10 are on opposite sides of said canyon, and whereby a portion
11 of said neutrally buoyant tubular composite umbilical between
12 said first and second locations passes over said canyon in
13 said ocean bottom.
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16 Claim 4 (Twice Amended). A flowline for producing
17 hydrocarbons from a subsea well that is comprised of a
18 positively buoyant tubular composite umbilical means
19 which passes over a canyon in the ocean bottom that possesses
20 electrical heating means within the tubular walls of said
21 tubular composite umbilical means to prevent waxes and
22 hydrates from forming within said flowline and blocking said
23 flowline, whereby said electrical heating means is comprised
24 of at least one electrical conductor disposed within said
25 tubular walls of said composite umbilical means that conducts
26 electrical current that is used to heat said tubular
27 composite umbilical means, whereby said tubular composite
28 umbilical means that contains any produced hydrocarbons is
29 positively buoyant in the sea water adjacent to said subsea
30 well, and whereby said positively buoyant tubular composite
31 umbilical means is anchored to the sea bottom ~~in at least one~~
32 location at a first location on a first side of said canyon
33 and is anchored to the sea bottom at a second location on a

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1 second side of said canyon, whereby said first and second
2 locations are on opposite sides of said canyon, and whereby a
3 portion of said neutrally buoyant tubular composite umbilical
4 between said first and second locations passes over said
5 canyon in said ocean bottom.
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8 Claim 5 (Twice Amended). A method of using a flowline for
9 producing hydrocarbons from a subsea well that is comprised
10 of a positively buoyant tubular composite umbilical means
11 which passes over a canyon in the ocean bottom that possesses
12 electrical heating means within the tubular walls of said
13 tubular composite umbilical means to prevent waxes and
14 hydrates from forming within said flowline and blocking said
15 flowline, whereby said electrical heating means is comprised
16 of at least one electrical conductor disposed within said
17 tubular walls of said composite umbilical means that conducts
18 electrical current that is used to heat said tubular
19 composite umbilical means, and whereby said tubular composite
20 umbilical means that contains any produced hydrocarbons is
21 positively buoyant in the sea water adjacent to said subsea
22 well, and whereby said positively buoyant tubular composite
23 umbilical means is anchored to the sea bottom ~~in at least one~~
24 location at a first location on a first side of said canyon
25 and is anchored to the sea bottom at a second location on a
26 second side of said canyon, whereby said first and second
27 locations are on opposite sides of said canyon, and whereby a
28 portion of said neutrally buoyant tubular composite umbilical
29 between said first and second locations passes over said
30 canyon in said ocean bottom.
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1 Claim 6 (Twice Amended). A flowline for producing
2 hydrocarbons from a subsea well that is comprised of a
3 positively buoyant tubular composite umbilical means
4 which passes over a canyon in the ocean bottom, whereby said
5 tubular composite umbilical means that contains any produced
6 hydrocarbons is positively buoyant in the sea water adjacent
7 to said subsea well, and whereby said positively buoyant
8 tubular composite umbilical means is anchored to the sea
9 bottom ~~in at least one location at a first location on a~~
10 first side of said canyon and is anchored to the sea bottom
11 at a second location on a second side of said canyon, whereby
12 said first and second locations are on opposite sides of said
13 canyon, and whereby a portion of said neutrally buoyant
14 tubular composite umbilical between said first and second
15 locations passes over said canyon in said ocean bottom.
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